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Cover: A montage of a growth cone (blue) from a retinal ganglion cell in a Xenopus embryo is turning to leave the laminin rich (green) vitreal surface of the retina and enter the netrin rich (red) optic nerve head. The axon from another preparation has been superimposed on this immunostained retina (see Hopker, et al. (1999). Growth-cone attraction to netrin-1 is converted to repulsion by laminin-1. Nature, 401:69–73.)

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Cover: Soma-soma pairing between specific synaptic partners, visceral dorsal 4 [VD4 (red-filled with sulforhodamine)] and right pedal dorsal 1 [RPeD1 (yellow-filled with Lucifer yellow)] suppressed neurite outgrowth patterns of both cells. Individually plated cells on the other hand extended elaborate process. Both sprouted neurons were originally stained with a tubulin antibody (yellow/green), and the bottom cell was subsequently psedu-colored. See Zhong-Ping Feng et al. pages 357–369, of this issue.

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